

Name of journal: World Journal of Cardiology

ESPS Manuscript NO: 15990

Columns: MINIREVIEWS

Autonomic and endocrine control of cardiovascular function

Richard Gordan, Judith K Gwathmey, Lai-Hua Xie

### Abstract

The function of the heart is to contract and pump oxygenated blood to the body and deoxygenated blood to the lungs. To achieve this goal, a normal human heart must beat regularly and continuously for one's entire life. The heartbeats originate from the rhythmic pacing discharge from the SA node within the heart itself. In the absence of extrinsic neural or hormonal influences, the SA node pacing rate would be about 100 beats per minute. Heart rate and cardiac output, however, must vary in response to the needs of the body's cells for oxygen and nutrients under varying conditions. In order to respond rapidly to the changing requirements of the body's tissues, the heart rate and

### Match Overview

1	<b>Publications</b> 79 words Di Marco, Luigi Yuri <1971>(Cappello, Angelo). "Variability analysis of discrete event series and wavefront patterns in	1%
2	<b>Internet</b> 76 words crawled on 07-Apr-2014 <a href="http://nuclearcardiologyseminars.com">nuclearcardiologyseminars.com</a>	1%
3	<b>Internet</b> 69 words crawled on 30-Nov-2013 <a href="http://tmedweb.tulane.edu">tmedweb.tulane.edu</a>	1%
4	<b>Internet</b> 44 words crawled on 06-May-2009 <a href="http://en.wikipedia.org">en.wikipedia.org</a>	1%
5	<b>Internet</b> 36 words crawled on 20-Jun-2014 <a href="http://cnx.org">cnx.org</a>	1%
6	<b>Internet</b> 30 words crawled on 25-Aug-2009 <a href="http://www.humboldt.edu">www.humboldt.edu</a>	<1%
7	<b>Internet</b> 29 words crawled on 24-Jul-2014 <a href="http://www.africangreyparrott.com">www.africangreyparrott.com</a>	<1%
8	<b>Internet</b> 28 words crawled on 10-Feb-2013 <a href="http://www.cvphysiology.com">www.cvphysiology.com</a>	<1%
	<b>Publications</b> 22 words	<1%



Autonomic and endocrine control of cardiovascular function



网页 图片 视频 新闻 更多 ▾ 搜索工具

找到约 5,920,000 条结果 (用时 0.26 秒)

## Google 学术 : Autonomic and endocrine control of cardiovascular function

Central regulation of autonomic functions - Loewy - 被引用次数 : 748

The central autonomic network: functional organization, ... - BENARROCH - 被引用次数 : 479

Human physiology - Fox - 被引用次数 : 424

### [PDF] The control systems: nervous and endocrine

moodle.sgscol.ac.uk/mod/resource/view.php?id=82612...1 ▾ 翻译此页

the nervous system, the endocrine system plays a role in the control of ... Key point.

The nervous and endocrine systems form the control and regulation ...

### Thermoregulation as a switchboard of autonomic nervous ...

www.ncbi.nlm.nih.gov/pubmed/10529491 ▾ 翻译此页

作者 : E Simon - 1999 - 被引用次数 : 19 - 相关文章

Thermoregulation as a switchboard of autonomic nervous and endocrine control. ....

control of cardiovascular and immune functions, hormonal control of energy ...

### Adaptations of the autonomous nervous system controlling ...

www.ncbi.nlm.nih.gov/pubmed/20228172 ▾ 翻译此页

作者 : J Mittag - 2010 - 被引用次数 : 15 - 相关文章

2010年3月12日 - Thyroid hormone has profound direct effects on cardiac function, but the hormonal interactions with the autonomic control of heart rate are ...

### Nervous and Endocrine Systems - MCAT Review

mcats-review.org/nervous-endocrine-systems.php ▾ 翻译此页

Nervous and Endocrine Systems MCAT Review and MCAT Prep. ... Function of endocrine system (specific chemical control at cell, tissue, and organ level).




[网页](#)
[图片](#)
[视频](#)
[新闻](#)
[更多 ▾](#)
[搜索工具](#)

找到约 5,050,000 条结果 (用时 0.48 秒)

## Google 学术: Autonomic and endocrine control of cardiovascular function

Central regulation of autonomic functions - Loewy - 被引用次数: 748

The central autonomic network: functional organization, ... - BENARROCH - 被引用次数: 479

Human physiology - Fox - 被引用次数: 424

## Nervous and Endocrine Systems - MCAT Review

[mcat-review.org/nervous-endocrine-systems.php](http://mcat-review.org/nervous-endocrine-systems.php) ▾ 翻译此页

Nervous and Endocrine Systems MCAT Review and MCAT Prep. ... Function of endocrine system (specific chemical control at cell, tissue, and organ level).

## Thermoregulation as a switchboard of autonomic nervous ...

[www.ncbi.nlm.nih.gov/pubmed/10529491](http://www.ncbi.nlm.nih.gov/pubmed/10529491) ▾ 翻译此页

作者: E Simon - 1999 - 被引用次数: 18 - 相关文章

Thermoregulation as a switchboard of autonomic nervous and endocrine control. ... control of cardiovascular and immune functions, hormonal control of energy ...

## Adaptations of the autonomous nervous system controlling ...